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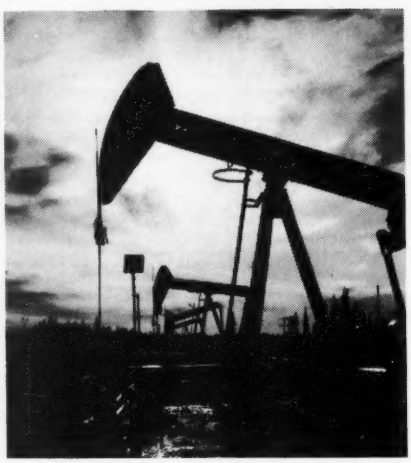

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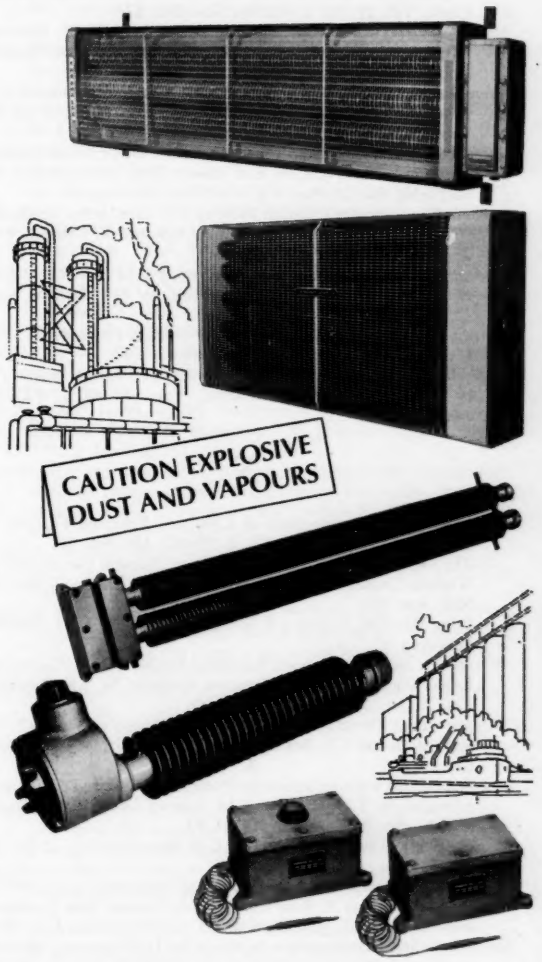

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theoretical work presented in various papers have been the basis of the elaboration of specific fractured reservoir production mechanisms. Consequently, this book was developed as basic scientific material on fractured reservoirs for the education of students in universities, and for the geologist and engineer involved in field operations. The generation of fractures, their detection and the procedure to describe them by appropriate processing of all types of information is discussed in detail in the first part. The flow in fractures, as well as the simultaneous flow of matrix-fracture systems is the basis of radical-symmetrical flow which is developed in depth in part two. In the final part, the complex flow mechanisms and new concepts are presented in a unitarian approach for the three phases, gas-oil-water, where the role of gravitational and capillary forces show that the conventional roles of water-drive or solution gas-drive are completely modified in a fractured reservoir.

STRUCTURE OF TURBULENCE IN HEAT AND MASS TRANSFER—edited by Z.P. Zaric, published by Hemisphere Publishing Corporation, Berkeley Building, 19 West 44 Street, New York, N.Y. 10036; 595 pages, illustrated, price: $75. (U.S.). ISBN 0-89116-233-X.

The symposium on Heat and Mass Transfer and the Structure of Turbulence, on which this book is based, was held October 6-10, 1980, Dubrovnik, Yugoslavia. The principal idea behind the symposium was to gather together researchers in the physics of turbulence with those in the heat and mass transfer and environmental flows, with the aim of contributing to the clarification of heat and mass transfer processes by using the results achieved so far from research in the physics of turbulence. With this aim, the symposium addressed the following topics: (1) latest results of the investigation in the physics of turbulent shear flows; (2) better understanding of heat and mass transfer phenomena in trubulent flows and possibilities of its modelling; and (3) understanding of the processes in environmental flows. This volume contains 34 papers and 3 papers related to the visualization films presented at the symposium as well as summaries of general discussions on heat and mass transfer in turbulent and environmental flows. The material is divided into 5 chapters, the first 3 of which correspond to the 3 main topics of the symposium. The fourth contains papers on turbulence modelling, and the fifth chapter consists of papers related to the visualization studies.

U.S. DEPARTMENT OF ENERGY, ENHANCED OIL RECOVERY AND IMPROVED DRILLING TECHNOLOGY—progress reviews DOE/BETC—82/2 and 82/3 now are available. Some 75 contracts for field projects and supporting research on enhanced oil recovery and improved drilling technology are reported. Copies are available from the Technology Transfer Section, Bartlesville Energy Technology Center, United States Department of Energy, P.O. Box 1398, Bartlesville, Oklahoma 74005.

FUTURE AMERICAN ENERGY POLICY—edited by M.S. Crist and A.B. Laffer; published by Lexington Books, D.C. Heath Canada Ltd., Suite 1600, 100 Adelaide Street West, Toronto, Ontario M5H 1S9; 169 pages, price: $23.75. ISBN 0-669-04489-X.

This book results from a symposium entitled "Energy Future: Policies and Consequences", presented February 21-22, 1980 at the UCLA, under the auspices of the university's Center for the Study of Private Enterprise and the Atlantic Richfield Company. The energy symposium participants included public-opinion commentators, leaders from civic and social-conscience groups, congressmen, researchers, domestic oil executives, foreign oil producers, and government regulators. Using a format of five primary presentations, each followed by a panel commentary and debate with audience questioning, the interaction at the conference brought about a diversity of information and views. The five presentation areas are: Challenges; Social Implications of Energy Policies; Economic Consequences of Energy Policies; International Attitudes Toward U.S. Oil Policies; and Social/Economic and Environmental Impacts of Alternative Energy Sources.

ENERGY RESOURCES AND FINANCE—PROCEEDINGS OF THE INSTITUTE OF PETROLEUM, 1981 ANNUAL CONFERENCE, CAMBRIDGE, UK—published by Heyden & Son Ltd.; distributed by John Wiley & Sons, Inc., One Wiley Drive, Somerset, New Jersey 08873; 76 pages, illustrated, price: $42.95 (U.S.). ISBN 0-471-26211-0.

This volume focuses on current developments in the petroleum industry, from major oil production to processing, to the consumer, and all the effects on the environment. Initially, the book reviews the considerable importance of the industry in international terms and the significance of oil production to the UK, on both the local and international scenes. At the same time, it draws attention to the care that must be paid to environmental impact and the role of legislation. This theme is developed bya wide range of contributors from academia, government and journalism. Papers and case studies are presented on many strategic and specific issues, such as planning and environmental legislation, the ecological, scientific and sociological impact of further development, and marine oil production.

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